

WHAT IS CLAIMED IS:

- 1 1. A method of converting management models to one or more
2 console interfaces, said method comprising:
3 receiving a console selection corresponding to one of the
4 console interfaces;
5 identifying one or more console algorithms corresponding
6 to the console selection;
7 retrieving a generic management object from a management
8 definition object; and
9 creating an extension file adapted to perform the generic
10 management object on the selected console interface.
- 1 2. The method as described in claim 1 wherein the management
2 definition object includes a common information model
3 managed object format file.
- 1 3. The method as described in claim 1 wherein the extension
2 file includes a plug-in file adapted to interface with
3 the selected console interface.
- 1 4. The method as described in claim 1 wherein the retrieving
2 further includes:
3 identifying one or more object classes and one or more
4 object associations that include the object classes;
5 selecting one of the object classes;
6 selecting one of the associations that include the object
7 class, wherein the association includes a simple
8 association;
9 identifying one or more target classes corresponding to
10 the selected association;

11 locating one or more second associations corresponding to
12 the identified target class; and
13 determining a layout format based on the number of
14 located second associations.

1 5. The method as described in claim 4 further comprising:
2 displaying the target class name in response to
3 determining that there is one second association;
4 and
5 displaying the association role in response to
6 determining that there are more than one second
7 associations.

1 6. The method as described in claim 1 further comprising:
2 retrieving user interface data from the management
3 definition object; and
4 generating one or more graphical user interfaces using
5 the retrieved user interface data.

1 7. The method as described in claim 1 further comprising:
2 retrieving user interface data from the management
3 definition object;
4 converting the user interface data to one or more
5 national languages;
6 storing the converted user interface data in one or more
7 national language files;
8 selecting one of the national languages;
9 retrieving one of the national language files
10 corresponding to the selected national language; and

11 generating one or more graphical user interfaces using
12 the converted user interface data retrieved from the
13 national language file.

1 8. The method as described in claim 1 further comprising:
2 creating a tree node displayable on a management console
3 corresponding to the selected console interface;
4 creating a popup menu corresponding to the tree node,
5 wherein the popup menu includes one or more menu
6 selections; and
7 associating a method to each of the menu selections.

1 9. The method as described in claim 1 wherein the generic
2 management object includes a display panel that displays
3 information regarding a program product, wherein the
4 management definition object is adapted to manage the
5 program product.

1 10. An information handling system comprising:
2 one or more processors;
3 a memory accessible by the processors;
4 a nonvolatile storage area accessible by the processors;
5 and
6 a conversion tool for converting generic management data
7 to specific console interfaces, the conversion tool
8 including:
9 receiving logic for receiving a console selection
10 corresponding to one of the console interfaces;
11 identification logic for identifying one or more console
12 algorithms corresponding to the console selection;

13 retrieval logic for receiving a generic management object
14 from a management definition object; and
15 creation logic for creating an extension file adapted to
16 perform the generic management object on the
17 selected console interface.

1 11. The information handling system as described in claim 10
2 wherein the management definition object includes a
3 common information model managed object format file.

1 12. The information handling system as described in claim 10
2 wherein the extension file includes a plug-in file
3 adapted to interface with the selected console interface.

1 13. The information handling system as described in claim 10
2 wherein the retrieval logic further includes:
3 identification logic for identifying one or more object
4 classes and one or more object associations that
5 include the object classes;
6 selection logic for selecting one of the object classes
7 and for selecting one of the associations that
8 include the object class, wherein the association
9 includes a simple association;
10 identification logic for identifying one or more target
11 classes corresponding to the selected association;
12 location logic for locating one or more second
13 associations corresponding to the identified target
14 class; and
15 determination logic for determining a layout format based
16 on the number of located second associations.

1 14. The information handling system as described in claim 13
2 further comprising:

3 display logic for displaying the target class name in
4 response to determining that there is one second
5 association and for displaying the association role
6 in response to determining that there are more than
7 one second associations.

1 15. The information handling system as described in claim 10
2 further comprising:

3 retrieval logic for retrieving user interface data from
4 the management definition object; and
5 code generation logic for generating one or more
6 graphical user interfaces using the retrieved user
7 interface data.

1 16. The information handling system as described in claim 10
2 further comprising:

3 retrieval logic for retrieving user interface data from
4 the management definition object;
5 conversion logic for converting the user interface data
6 to one or more national languages;
7 storage logic for storing the converted user interface
8 data in one or more national language files;
9 selection logic for selecting one of the national
10 languages;
11 retrieval logic for retrieving one of the national
12 language files corresponding to the selected
13 national language; and

14 code generation logic for generating one or more
15 graphical user interfaces using the converted user
16 interface data retrieved from the national language
17 file.

1 17. The information handling system as described in claim 10
2 further comprising:

3 display logic for displaying a tree node on a management
4 console corresponding to the selected console
5 interface; and

6 display logic for displaying a popup menu corresponding
7 to the tree node, wherein the popup menu includes
8 one or more menu selections, and wherein each menu
9 selection includes an associated method.

1 18. The information handling system as described in claim 10
2 wherein the generic management object includes a display
3 panel that displays information regarding a program
4 product, wherein the management definition object is
5 adapted to manage the program product.

1 19. A computer program product stored on a computer operable
2 medium for converting management models to one or more
3 console interfaces, said computer program product
4 comprising:

5 means for receiving a console selection corresponding to
6 one of the console interfaces;
7 means for identifying one or more console algorithms
8 corresponding to the console selection;

9 means for retrieving a generic management object from a
10 management definition object; and
11 means for creating an extension file adapted to perform
12 the generic management object on the selected
13 console interface.

- 1 20. The computer program product as described in claim 19
2 wherein the management definition object includes a
3 common information model managed object format file.
- 1 21. The computer program product as described in claim 19
2 wherein the extension file includes a plug-in file
3 adapted to interface with the selected console interface.
- 1 22. The computer program product as described in claim 19
2 wherein the retrieving further includes:
3 means for identifying one or more object classes and one
4 or more object associations that include the object
5 classes;
6 means for selecting one of the object classes;
7 means for selecting one of the associations that include
8 the object class, wherein the association includes a
9 simple association;
10 means for identifying one or more target classes
11 corresponding to the selected association;
12 means for locating one or more second associations
13 corresponding to the identified target class; and
14 means for determining a layout format based on the number
15 of located second associations.

- 1 23. The computer program product as described in claim 22
2 further comprising:
3 means for displaying the target class name in response to
4 determining that there is one second association;
5 and
6 means for displaying the association role in response to
7 determining that there are more than one second
8 associations.
- 1 24. The computer program product as described in claim 19
2 further comprising:
3 means for retrieving user interface data from the
4 management definition object; and
5 means for generating one or more graphical user
6 interfaces using the retrieved user interface data.
- 1 25. The computer program product as described in claim 19
2 further comprising:
3 means for retrieving user interface data from the
4 management definition object;
5 means for converting the user interface data to one or
6 more national languages;
7 means for storing the converted user interface data in
8 one or more national language files;
9 means for selecting one of the national languages;
10 means for retrieving one of the national language files
11 corresponding to the selected national language; and

12 means for generating one or more graphical user
13 interfaces using the converted user interface data
14 retrieved from the national language file.

1 26. The computer program product as described in claim 19
2 further comprising:
3 means for creating a tree node displayable on a
4 management console corresponding to the selected
5 console interface;
6 means for creating a popup menu corresponding to the tree
7 node, wherein the popup menu includes one or more
8 menu selections; and
9 means for associating a method to each of the menu
10 selections.

1 27. The computer program product as described in claim 19
2 wherein the generic management object includes a display
3 panel that displays information regarding a program
4 product, wherein the management definition object is
5 adapted to manage the program product.

1 28. A method of converting management models to one or more
2 console interfaces, said method comprising:
3 receiving a console selection corresponding to one of the
4 console interfaces;
5 identifying one or more console algorithms corresponding
6 to the console selection;
7 retrieving a generic management object from a management
8 definition object;

9 creating an extension file adapted to perform the generic
10 management object on the selected console interface;
11 identifying one or more object classes and one or more
12 object associations that include the object classes;
13 selecting one of the object classes;
14 selecting one of the associations that include the object
15 class, wherein the association includes a simple
16 association;
17 identifying one or more target classes corresponding to
18 the selected association;
19 locating one or more second associations corresponding to
20 the identified target class; and
21 determining a layout format based on the number of
22 located second associations.

- 1 29. A method of converting management models to one or more
2 console interfaces, said method comprising:
3 receiving a console selection corresponding to one of the
4 console interfaces;
5 identifying one or more console algorithms corresponding
6 to the console selection;
7 retrieving a generic management object from a management
8 definition object;
9 creating an extension file adapted to perform the generic
10 management object on the selected console interface;
11 retrieving user interface data from the management
12 definition object;
13 converting the user interface data to one or more
14 national languages;

15 storing the converted user interface data in one or more
16 national language files;
17 selecting one of the national languages;
18 retrieving one of the national language files
19 corresponding to the selected national language; and
20 generating one or more graphical user interfaces using
21 the converted user interface data retrieved from the
22 national language file.

- 1 30. An information handling system comprising:
2 one or more processors;
3 a memory accessible by the processors;
4 a nonvolatile storage area accessible by the processors;
5 and
6 a conversion tool for converting generic management data
7 to specific console interfaces, the conversion tool
8 including:
9 receiving logic for receiving a console selection
10 corresponding to one of the console interfaces;
11 identification logic for identifying one or more console
12 algorithms corresponding to the console selection;
13 retrieval logic for receiving a generic management object
14 from a management definition object; and
15 creation logic for creating an extension file adapted to
16 perform the generic management object on the
17 selected console interface;
18 identification logic for identifying one or more object
19 classes and one or more object associations that
20 include the object classes;

21 selection logic for selecting one of the object classes
22 and for selecting one of the associations that
23 include the object class, wherein the association
24 includes a simple association;
25 identification logic for identifying one or more target
26 classes corresponding to the selected association;
27 location logic for locating one or more second
28 associations corresponding to the identified target
29 class;
30 determination logic for determining a layout format based
31 on the number of located second associations; and
32 display logic for displaying the target class name in
33 response to determining that there is one second
34 association and for displaying the association role
35 in response to determining that there are more than
36 one second associations.

- 1 31. A computer program product stored on a computer operable
2 medium for converting management models to one or more
3 console interfaces, said computer program product
4 comprising:
5 means for receiving a console selection corresponding to
6 one of the console interfaces;
7 means for identifying one or more console algorithms
8 corresponding to the console selection;
9 means for retrieving a generic management object from a
10 management definition object;

11 means for creating an extension file adapted to perform
12 the generic management object on the selected
13 console interface;
14 means for identifying one or more object classes and one
15 or more object associations that include the object
16 classes;
17 means for selecting one of the object classes;
18 means for selecting one of the associations that include
19 the object class, wherein the association includes a
20 simple association;
21 means for identifying one or more target classes
22 corresponding to the selected association;
23 means for locating one or more second associations
24 corresponding to the identified target class;
25 means for determining a layout format based on the number
26 of located second associations;
27 means for displaying the target class name in response to
28 determining that there is one second association;
29 and
30 means for displaying the association role in response to
31 determining that there are more than one second
32 associations.

- 1 32. A computer program product stored on a computer operable
2 medium for converting management models to one or more
3 console interfaces, said computer program product
4 comprising:
5 means for receiving a console selection corresponding to
6 one of the console interfaces;

7 means for identifying one or more console algorithms
8 corresponding to the console selection;
9 means for retrieving a generic management object from a
10 management definition object;
11 means for creating an extension file adapted to perform
12 the generic management object on the selected
13 console interface;
14 means for creating a tree node displayable on a
15 management console corresponding to the selected
16 console interface;
17 means for creating a popup menu corresponding to the tree
18 node, wherein the popup menu includes one or more
19 menu selections; and
20 means for associating a method to each of the menu
21 selections.